

Report Date.: 04/27/00 03:04 PM  
 Request.....: MA00-2  
 Submitter...: E.Chambers/S.Laffoon  
 Request Type: inh  
 Activity : T00107

Reported By...: Hughes, Sandra  
 Date Submitted: 03/30/00  
 Date Received.: 03/30/00  
 Date Completed: 04/19/00  
 Approved By...: Hughes, Sandra

Description.: MASSACHUSETTS COMPLIANCE - TO TEST BRANDS FOR MASSACHUSETTS COMPLIANCE

Test Categories/Tests	MRM8B				MR8			
	Target	Average	StdDev	N	Target	Average	StdDev	N
<b>Smoke</b>								
FTC Butt Length, mm	39.0				34.5			
MA Tar, mg/cig.t.	28.1	1.42	20		31.1	0.82	20	
MA TPM, mg/cig.t.	39.7	2.59	20		44.1	1.37	20	
MA Nicotine, mg/cig.t.	2.10	0.125	20		2.28	0.057	20	
MA Water, mg/cig.t.	9.56	1.277	20		10.74	0.787	20	
MA Puffs/Cig.t.	12.8	0.50	20		13.0	0.50	20	
Tar/Puff, mg	2.2				2.4			
MA CO, mg/cig.t.	26.3	0.93	19		26.2	0.94	20	
<b>Filter</b>								
Tipping Paper Length, mm	36.0				31.5			
Ventilation, %	17	2.2	60		11	1.3	60	
<b>Filler</b>								
Tobacco Weight, g	0.783	0.0010	2		0.852	0.0028	2	
(1)Total Alkaloids, mg/cig.t.	15.66	0.219	2		16.70	0.085	2	
(1)OV After Grinding, %	7.3	0.01	2		7.3	0.01	2	

Test Categories/Tests	MR8B				ML8M			
	Target	Average	StdDev	N	Target	Average	StdDev	N
<b>Smoke</b>								
FTC Butt Length, mm	34.5				39.0			
MA Tar, mg/cig.t.	31.2	1.45	20		24.6	1.07	20	
MA TPM, mg/cig.t.	44.5	2.98	20		33.2	1.79	20	
MA Nicotine, mg/cig.t.	2.24	0.116	20		1.67	0.066	20	
MA Water, mg/cig.t.	11.13	1.743	20		6.93	0.788	20	
MA Puffs/Cig.t.	13.5	0.40	20		12.9	0.38	20	
Tar/Puff, mg	2.3				1.9			
MA CO, mg/cig.t.	26.7	1.36	20		26.5	0.92	20	
<b>Filter</b>								
Tipping Paper Length, mm	31.5				36.0			
Ventilation, %	12	1.9	60		31	2.1	59	
<b>Filler</b>								
Tobacco Weight, g	0.825	0.0050	2		0.787	0.0028	2	
(1)Total Alkaloids, mg/cig.t.	16.29	0.156	2		14.62	0.028	2	
(1)OV After Grinding, %	7.3	0.03	2		7.2	0.01	2	

Test Categories/Tests	MRM8				MR8MB			
	Target	Average	StdDev	N	Target	Average	StdDev	N
<b>Smoke</b>								
FTC Butt Length, mm	39.0				34.5			
MA Tar, mg/cig.t.	28.9	1.00	20		29.6	1.33	20	
MA TPM, mg/cig.t.	41.2	1.98	20		43.9	2.39	20	
MA Nicotine, mg/cig.t.	2.12	0.079	20		1.97	0.129	20	
MA Water, mg/cig.t.	10.18	1.056	20		12.31	1.372	20	
MA Puffs/Cig.t.	12.9	0.33	20		11.8	0.37	20	
Tar/Puff, mg	2.2				2.5			

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MA CO, mg/cig.t.	27.3	1.32	20	28.9	1.36	20
Filter						
Tipping Paper Length, mm	36.0			31.5		
Ventilation, %	17	2.1	60	0	0.2	60
Filler						
Tobacco Weight, g	0.794	0.0028	2	0.802	0.0010	2
(1)Total Alkaloids, mg/cig.t.	15.73	0.106	2	14.90	0.085	2
(1)OV After Grinding, %	7.1	0.01	2	7.1	0.00	2

Test Categories/Tests	MRU8MB				ML8MB			
	Target	Average	StdDev	N	Target	Average	StdDev	N
Smoke								
FTC Butt Length, mm	39.0				39.0			
MA Tar, mg/cig.t.	19.3	0.88	20		23.7	0.85	20	
MA TPM, mg/cig.t.	24.9	1.25	20		31.8	1.74	20	
MA Nicotine, mg/cig.t.	1.43	0.052	20		1.64	0.096	20	
MA Water, mg/cig.t.	4.17	0.516	20		6.50	0.950	20	
MA Puffs/Cig.t.	13.3	0.49	20		12.7	0.47	20	
Tar/Puff, mg	1.5				1.9			
MA CO, mg/cig.t.	20.8	0.81	20		25.4	0.82	20	
Filter								
Tipping Paper Length, mm	36.0				36.0			
Ventilation, %	49	2.7	60		32	3.8	60	
Filler								
Tobacco Weight, g	0.752	0.0010	2		0.776	0.0035	2	
(1)Total Alkaloids, mg/cig.t.	15.00	0.049	2		14.33	0.028	2	
(1)OV After Grinding, %	7.3	0.01	2		7.1	0.01	2	

Test Categories/Tests	MRU8B				ML8			
	Target	Average	StdDev	N	Target	Average	StdDev	N
Smoke								
FTC Butt Length, mm	39.0				39.0			
MA Tar, mg/cig.t.	17.2	1.00	20		26.4	0.90	18	
MA TPM, mg/cig.t.	22.4	1.73	20		36.3	1.70	18	
MA Nicotine, mg/cig.t.	1.38	0.065	20		1.88	0.064	18	
MA Water, mg/cig.t.	3.84	0.803	20		8.02	0.836	18	
MA Puffs/Cig.t.	12.5	0.46	20		13.3	0.41	18	
Tar/Puff, mg	1.4				2.0			
MA CO, mg/cig.t.	20.2	1.18	20		27.6	0.93	18	
Filter								
Tipping Paper Length, mm	36.0				36.0			
Ventilation, %	50	2.5	60		29	2.9	60	
Filler								
Tobacco Weight, g	0.746	0.0010	2		0.795	0.0085	2	
(1)Total Alkaloids, mg/cig.t.	15.61	0.106	2		15.46	0.163	2	
(1)OV After Grinding, %	7.3	0.02	2		7.2	0.01	2	

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<u>Test Categories/Tests</u>	<u>ML8B</u>	<u>Target</u>	<u>Average</u>	<u>StdDev</u>	<u>N</u>
<b>Smoke</b>					
FTC Butt Length, mm		39.0			
MA Tar, mg/cig.t.		24.8	0.75	19	
MA TPM, mg/cig.t.		33.4	1.35	19	
MA Nicotine, mg/cig.t.		1.78	0.115	19	
MA Water, mg/cig.t.		6.89	0.722	19	
MA Puffs/Cigt.		13.2	0.33	19	
Tar/Puff, mg		1.9			
MA CO, mg/cig.t.		25.4	1.05	19	
<b>Filter</b>					
Tipping Paper Length, mm		36.0			
Ventilation, %		28	4.3	60	
<b>Filler</b>					
Tobacco Weight, g		0.795	0.0014	2	
(1)Total Alkaloids, mg/cig.t.		15.34	0.057	2	
(1)OV After Grinding, %		7.2	0.01	2	

#### Notations:

- MRM8B - MARLBORO MEDIUM 100 BOX
- MR8 - MARLBORO FULL FLAVOR SP
- MR8B - MARLBORO FULL FLAVOR 100 BOX
- ML8M - MARLBORO LIGHTS 100 MENTHOL SP
- MRM8 - MARLBORO MEDIUM 100 SP
- MR8MB - MARLBORO FULL FLAVOR 100 MENTHOL BOX
- MRU8MB - MARLBORO ULTRA LIGHTS 100 MENTHOL BOX
- ML8MB - MARLBORO LIGHTS 100 MENTHOL BOX
- MRU8B - MARLBORO ULTRA LIGHTS 100 BOX
- ML8 - MARLBORO LIGHTS 100 SP
- ML8B - MARLBORO LIGHTS 100 BOX

cc:

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